



ELSEVIER

Agricultural Water Management 51 (2001) 255–256

Agricultural  
water management

www.elsevier.com/locate/agwat

## Contents of *Agricultural Water Management*, Volume 51

### VOLUME 51 ISSUE 1

1 OCTOBER 2001

Estimating potential nitrate leaching in nitrogen fertilized and irrigated tomato using the computer model NLEAP S. Ersahin and M. Rüstü Karaman (Tokat, Turkey) . . . . .	1
Response of Sultana vines ( <i>V. vinifera</i> L.) on six rootstocks to NaCl salinity exposure and recovery I. Fisarakis, K. Chartzoulakis (Crete, Greece) and D. Stavrakas (Thessaloniki, Greece) . . . . .	13
Evaluating the effectiveness of a hydrophobic polymer for conserving water and reducing weed infection in a sandy loam soil J.E. Fernández, F. Moreno, J.M. Murillo, M.V. Cuevas (Sevilla, Spain) and F. Kohler (Plan-les-Ouates, Switzerland). . . . .	29
Assessment of the parameters of a mechanistic soil–crop–nitrogen simulation model using historic data of experimental field sites in Belgium S. Ducheyne, N. Schadeck (Leuven, Belgium), L. Vanongeval, H. Vandendriessche (Heverlee, Belgium) and J. Feyen (Leuven, Belgium). . . . .	53
Erratum . . . . .	79

### VOLUME 51 ISSUE 2

29 OCTOBER 2001

Effect of salinity on yield and nitrogen uptake of four grain legumes and on biological nitrogen contribution from the soil J.W. van Hoorn (Wageningen, The Netherlands), N. Katerji (Thivernal-Grignon, France), A. Hamdy and M. Mastrorilli (Bari, Italy). . . . .	87
Heat-pulse measurements of sap flow in olives for automating irrigation: tests, root flow and diagnostics of water stress J.E. Fernández, M.J. Palomo, A. Díaz-Espejo (Sevilla, Spain), B.E. Clothier, S.R. Green (Palmerston North, New Zealand), I.F. Girón and F. Moreno (Sevilla, Spain) . . . . .	99
Predicting drip irrigation use and adoption in a desert region R.K. Skaggs (Las Cruces, NM, USA). . . . .	125
Semi-empirical approach for estimating actual evapotranspiration in Greece A. Poulouvassilis, M. Anadranistakis, A. Liakatas, S. Alexandris and P. Kerkides (Athens, Greece) . . . . .	143
Solute transport modelling in soil for irrigation field experiments with alkali water M.J. Kaledhonkar, N.K. Tyagi (Karnal, India) and S.E.A.T.M. Van Der Zee (Wageningen, The Netherlands). . . . .	153

**VOLUME 51 ISSUE 3****15 NOVEMBER 2001**

Influence of boundary plantation of poplar ( <i>Populus deltoides</i> M.) on soil-water use and water use efficiency of wheat N.K. Sharma (Dehradun, India), J.S. Samra (New Delhi, India) and H.P. Singh (Meerut, India) . . . . .	173
I. A decision support system to improve planning and management in large irrigation schemes L. Mira da Silva (Lisboa, Portugal), J.R. Park (Reading, UK), J.D.H. Keatinge (Ibadan, Nigeria) and P.A. Pinto (Lisboa, Portugal) . . . . .	187
II. The use of the DSSIPM in the Alentejo region of southern Portugal L. Mira da Silva (Lisboa, Portugal), J.R. Park (Reading, UK), J.D.H. Keatinge (Ibadan, Nigeria) and P.A. Pinto (Lisboa, Portugal) . . . . .	203
Spinach yield and nutritional quality affected by controlled soil water matric head E. Nishihara, M. Inoue, K. Kondo, K. Takahashi and N. Nakata (Tottori, Japan) .	217
<b>Cumulative Author Index, Volumes 47-51</b> . . . . .	231
<b>Cumulative Subject Index, Volumes 47-51</b> . . . . .	237
<b>Contents of <i>Agricultural Water Management</i>, Volume 51</b> . . . . .	255